

High Thin Timber Sale  
Timber Sale Report and Appraisal

This sale will be appraised as a CCF sale, but will be sold with TONS as the unit of measure.

I. STAND DATA

A. Form Class (@16 feet) (Douglas-fir use, INGY formulas and don't need Form.)

Species	<u>IC</u>
Form Class	69

B. Average Diameter

Species	<u>DF</u>	<u>IC</u>
DBH	17.4	15.8

C. Gross Volume and Defect

1. Gross volume to be cut per acre = 48.4 CCF
2. Hidden defect and breakage = 10 %
3. Total defect of designated timber = 13.0 %

D. Net Volume, CCF

Unit	Acres	CCF DF&O Saw	CCF/Acre	Tons DF & O	Tons/Acre
2	3	121	40.3	395	132
8	8	351	43.9	1,145	143
17	22	1,105	50.2	3,600	164
21	81	3,381	41.7	11,018	136
22	17	690	40.6	2,250	132
23	36	1,489	41.4	4,854	134
24	155	6,481	41.8	21,123	136
30	35	1460	41.7	4,759	136
172	2	79	39.5	259	129
223	9	372	41.3	1,214	135
224	16	665	41.6	2,168	135
225	2	71	35.5	232	116
231	5	209	41.8	682	136
301	10	402	40.2	1,309	130
302	2	84	42.0	273	136
<b><u>TOTALS</u></b>	<b><u>403</u></b>	<b><u>16,961</u></b>	<b><u>42.1</u></b>	<b><u>55,281</u></b>	<b><u>137</u></b>

## TIMBER MANAGEMENT

### I. Requirements for Domestic Processing

Alaska yellow cedar and timber not meeting utilization standards are exempt from Domestic Processing. (See Contract Provision C8.66# (Option 1).

### II. Cruising Methods

#### A. Type of Cruise

PCM – All Subdivisions except 17. PNT – Unit 17 only.

#### B. Cruise Specifications

Two different cruise methods were chosen based on information from other sales in the same vicinity, and stand characteristics observed during field work. For Strata 1, PCM cruise, all trees in each plot were counted by sample group. The variable plot method for strata 2 is a PNT cruise where all trees in each plot were counted and measured by sample group. This method requires measuring a sufficient number of trees while sampling all areas of the Subdivision. The trees in the subdivisions of the sale are uniform in size and fairly uniformly distributed.

#### C. Statistical Analysis

Sampling Error = 17.42 %

### III. Sale Area Marking

All boundary marks were made with orange tracer paint. Two softball sized dots indicate the direction of boundary on each tree. A 2' x 2" stripe is painted in the middle of the tree facing into the unit. Only Douglas-fir, true firs, incense cedar, western hemlock, and western red cedar, are designated for cutting. Ponderosa pine with an orange double band and stump mark in Subdivision 17 will have all merchantable conifer timber cut within 60 feet of the tree, except Legacy trees (any tree with a diameter greater than 39.9 inches at DxD stump height), pacific yew, and other pines with a greater than 8 inch diameter at DxD stump height.

### IV. Logging Plan

Subdivision 172 will be tractor logged. Subdivision 302 will be skyline logged. Subdivisions 2, 17, 21, 30, 223, 224, 225, and 301 will be helicopter logged. Portions of Subdivisions 22, 23, 24, and 231 will be skyline and helicopter logged.


### V. Utilization

7 inch DBH to a 6 inch top, minimum 8 foot log, for products subject to per Ton pricing.

VI. Operating Season  
June 1 – October 31

VII. Termination Date  
December 31, 2022

VIII. Operations Compliance  
I certify this timber sale is in full compliance with directions set forth in the EA, both on the ground and in the appraisal/contract.

  
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Head of Presale  
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Timber Management Assistant